

| Application No. | Applicant(s)       |   |  |  |  |  |  |  |  |
|-----------------|--------------------|---|--|--|--|--|--|--|--|
| 10/067,844      | YAMAUCHI, MASAHIRO | 1 |  |  |  |  |  |  |  |
| Examiner        | Art Unit           |   |  |  |  |  |  |  |  |
|                 |                    |   |  |  |  |  |  |  |  |
| Robin O. Evans  | 3752               |   |  |  |  |  |  |  |  |

| ISSUE CLASSIFICATION |             |   |             |          |               |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
|----------------------|-------------|---|-------------|----------|---------------|-----------------------------------|-------------------------------|-------|----------|------------|----------|------------------------|------------|---------|-----------------------|------------|--|-----------|------------|--|
|                      |             | ORIGIN                                  | IAL         |          |               |                                   | CROSS REFERENCE(S)            |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
| CLASS SUBCLASS CLASS |             |   |             |          |               | SUBCLASS (ONE SUBCLASS PER BLOCK) |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
| 239 3 239            |             |   | 1           |          | 128           | 128   132                         |                               |       | 132.1    |            | /33      |                        | 3<         |         |                       |            |  |           |            |  |
| INTER                | RNATIO      | NAL C                                   | LASSIFIC    | CATION   | en electrical |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
| <u>۔</u> آ م         | ie+         | a                                       |             |          |               |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
| 90                   | <u>با د</u> | D                                       | 17/04       |          |               |                                   |                               |       |          | 600000 P   |          | 00000   0<br>00000   0 |            |         |                       |            |  |           | <u> </u>   |  |
|                      |             |   | /           |          |               |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
|                      |             |   | /           |          |               |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
|                      |             |   | · · · · · I | 1        |               |                                   |                               |       |          |            |          |                        |            |         |                       |            |  |           |            |  |
|                      |             |   | 1           | <i>l</i> |               |                                   |                               | _     |          |            |          |                        |            |         |                       |            |  |           |            |  |
|                      |             |   |             |          |               |                                   | 1/                            | Z 1   |          | // )       | C),      |                        |            |         |                       |            |  |           |            |  |
|                      |             |   |             |          |               |                                   | (Fabin V. Erlans              |       |          |            |          |                        |            | Т       | Total Claims Allowed: |            |  |           |            |  |
|                      | (Assi       | stant E                                 | Examine     | er) (D   | ate)          |                                   | HOBIN O. EVANS                |       |          |            |          |                        |            |         | サ                     |            |  |           |            |  |
|                      |             |   |             | <b>\</b> |               |                                   |                               |       |          |            |          | R                      |            |         | O.G.                  |            |  |           | G.         |  |
|                      |             |   |             |          |               |                                   | PRIMARY EXAMINER              |       |          |            |          |                        |            |         | Print Claim(s)        |            |  |           | t Fig.     |  |
| (Le                  | egal In     | strume                                  | nts Exa     | miner)   | (Dat          | e)                                |                               | (Prii | mary Exe | aminer)    |          | (Date                  | Yı Ku      |         |                       | 1          |  | TH        | Ľ          |  |
|                      |             | ******                                  | 99999999    |          | <u> </u>      | <u> </u>                          |                               |       |          |            |          | <u> </u>               | דין צון    | 8 8888  |                       |            |  | 8 666 838 | 2000000    |  |
| Χc                   | laims       | renu                                    | mbere       | d in th  | e san         | ne ord                            | ler as presented by applicant |       |          |            | cant     | H                      | CPA        |         | ☐ T.D.                |            |  | ☐ R.1.47  |            |  |
|                      |             |   |             | T        |               |                                   | [22:2:2:2:2]                  |       |          |            |          |                        | 1 13       |         |                       |            |  |           |            |  |
| Final                | Original    |   | Final       | Original |               | Final                             | Original                      |       | Final    | Original   |          | Final                  | Original   |         | Final                 | Original   |  | Final     | Original   |  |
| iΞ                   | Ö           |   | ΙĒ          | O ij     |               | ΙĒ                                | Ö                             |       | 证        | Ö          |          | 证                      | Ö          |         | iE                    | Ori        |  | 证         | Ö          |  |
|                      | 1           |   |             | 31       |               | <u> </u>                          | 61                            |       |          | 91         |          |                        | 121        | <b></b> |                       | 151        |  |           | 181        |  |
| -                    | 2           | 1                                       | -           | 32       |               | -                                 | 62                            |       |          | 92         |          |                        | 122        |         |                       | 152        |  |           | 182        |  |
|                      | 3           | 1                                       |             | 33       |               |                                   | 63                            |       |          | 93         |          |                        | 123        |         |                       | 153        |  | -         | 183        |  |
|                      | 4           | 1                                       |             | 34       |               |                                   | 64                            |       |          | 94         |          |                        | 124        |         |                       | 154        |  |           | 184        |  |
|                      | 5           |   |             | 35       |               |                                   | 65                            |       |          | 95         |          |                        | 125        |         |                       | 155        |  |           | 185        |  |
|                      | 6           |   |             | 36       |               | <u> </u>                          | 66                            |       |          | 96         |          | ļ                      | 126        |         |                       | 156        |  |           | 186        |  |
|                      | 7           | 4                                       | <u> </u>    | 37       |               |                                   | 67                            |       |          | 97         |          |                        | 127        |         |                       | 157<br>158 |  |           | 187<br>188 |  |
|                      | 8           | -                                       |             | 38       |               | <b></b>                           | 68<br>69                      |       |          | 98<br>99   |          |                        | 128        | •       |                       | 159        |  |           | 189        |  |
|                      | 10          | 1                                       | -           | 40       |               |                                   | 70                            |       |          | 100        |          |                        | 130        |         |                       | 160        |  |           | 190        |  |
|                      | 11          | 1                                       |             | 41       |               |                                   | 71                            |       |          | 101        |          | <b></b>                | 131        |         |                       | 161        |  |           | 191        |  |
|                      | 12          | ]:::::::::::::::::::::::::::::::::::::: |             | 42       |               |                                   | 72                            |       |          | 102        | ]        |                        | 132        |         |                       | 162        |  |           | 192        |  |
|                      | 13          |   |             | 43       |               |                                   | 73                            |       |          | 103        |          |                        | 133        |         |                       | 163        |  |           | 193        |  |
|                      | 14          | <b> </b>                                | <u></u>     | 44       |               |                                   | 74                            |       | <u> </u> | 104        |          | <u> </u>               | 134        |         |                       | 164        |  |           | 194        |  |
|                      | 15          |   |             | 45       |               |                                   | 75<br>76                      |       | <b></b>  | 105<br>106 |          |                        | 135<br>136 |         |                       | 165<br>166 |  |           | 195<br>196 |  |
|                      | 16<br>17    | 1                                       | -           | 46<br>47 |               |                                   | 76<br>77                      |       | <u> </u> | 107        |          | <u> </u>               | 137        |         |                       | 167        |  |           | 197        |  |
|                      | 18          | 1                                       |             | 48       | <b> </b>      |                                   | 78                            |       |          | 108        | 1        |                        | 138        |         |                       | 168        |  | -         | 198        |  |
|                      | 19          | 1                                       |             | 49       |               |                                   | 79                            | ]     |          | 109        | 1        |                        | 139        |         |                       | 169        |  |           | 199        |  |
|                      | 20          | ]                                       |             | 50       |               |                                   | 80                            |       |          | 110        |          |                        | 140        |         |                       | 170        |  |           | 200        |  |
|                      | 21          | 1                                       |             | 51       |               |                                   | 81                            |       |          | 111        |          |                        | 141        |         |                       | 171        |  |           | 201        |  |
|                      | 22          | 4                                       | <b></b>     | 52       | :::::::::     | <u> </u>                          | 82                            |       |          | 112        |          |                        | 142        |         |                       | 172        |  |           | 202        |  |
|                      | 23          | 4                                       | <u></u>     | 53<br>54 |               | <b></b>                           | 83<br>84                      | 1     | -        | 113<br>114 | ł        | <u> </u>               | 143        |         |                       | 173<br>174 |  |           | 203        |  |
| <u> </u>             | 24<br>25    | 1                                       | <u> </u>    | 55       | <b> </b>      |                                   | 85                            |       | <b></b>  | 115        | <b> </b> | -                      | 145        |         |                       | 175        |  |           | 205        |  |
|                      | 26          | 1                                       | <u></u>     | 56       | <b> </b>      | <b>-</b>                          | 86                            |       |          | 116        | <b> </b> |                        | 146        |         |                       | 176        |  | <b> </b>  | 206        |  |
|                      | 27          | 1                                       |             | 57       | 1             |                                   | 87                            | 1     |          | 117        | <b> </b> |                        | 147        |         |                       | 177        |  |           | 207        |  |
|                      | 28          | 1                                       |             | 58       | ]             |                                   | 88                            |       |          | 118        | ]        |                        | 148        |         |                       | 178        |  |           | 208        |  |
|                      | 29          | ]                                       |             | 59       |               |                                   | 89                            |       |          | 119        |          |                        | 149        |         |                       | 179        |  |           | 209        |  |
|                      | 30          |   |             | 60       |               |                                   | 90                            |       |          | 120        |          |                        | 150        |         |                       | 180        |  | L         | 210        |  |